sdmay19-30: EE 448 Stroboscope
Week 2 Report
September 5 - September 12

Team Members

Katrina Choong — *Chief Hardware Engineer, Timeline Manager*
Meghna Chandrasekaran — *Meeting Facilitator, Chief Software Engineer*
Seth Noel — *Chief Hardware Engineer*
Kyle Zelnio — *Project Manager*
Jessica Bader — *Scribe, Chief Software Engineer*

Summary of Progress this Report

The software team (Meghna and Jessica) re-defined software functions by expanding upon the list of functions we had created last week. We also chose our backend language and downloaded the software we need to in order to start writing software for our project. The hardware team (Seth, Katrina, Kyle) did further research on the Tiva board and how it could be used in our project. We also researched hardware components to start ordering components for our first prototype. The hardware team also created a high-level hardware design. Katrina created a rough draft of our timeline, which our group was able to provide input on. Our full group had two meetings with our client.

Pending Issues

Our hardware team needs to consult with our client on how the best way will be for us to order our parts and how long they will take in general to come in. Our software team will need to determine which programming language we would like to use for the front end software.

Plans for Upcoming Reporting Period

Our entire team needs to consult with our client to figure out what will be expected of us on a weekly basis moving forward, in terms of our weekly meetings with our client. For our entire team, most of our week will be spent starting work on project plan. We have decided to divide the parts equally and take responsibility for their implementation (although individuals may consult the team in finding answers to any questions we have). The software team (Meghna and Jessica) are going to start implementing the software in the upcoming week by researching how we can create a waveform with the Tiva board.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Katrina Choong	Research potential circuit components for the hardware circuit and datasheets to determine if these potential components will be right for our project. Also review Tiva datasheet to understand how the Tiva board will be used in our hardware circuit. Met with client to verify we are heading in the right direction.	4	6

Meghna Chandrasekaran	Downloaded the needed software to write software for the Tiva board. Defined which functions the software will need to carry out for the final project. Met with client to verify we are heading in the right direction. Looked at GUI python files to consider using python for the GUI.	4	7
Seth Noel	Research potential circuit components for the hardware circuit and datasheets to determine if these potential components will be right for our project. Also review Tiva datasheet to understand how the Tiva board will be used in our hardware circuit. Met with client to verify we are heading in the right direction.	5	10
Kyle Zelnio	Downloaded Code Composer Studio to figure out how our software team will need to download to edit the software. Tiva Research on the datasheet to understand how the Tiva board will be used in our hardware circuit. LED destruction to start testing how the LEDs will work in our circuit.	4	6
Jessica Bader	Re-defining software functions based on new information, so we know which functions our software will need to fulfill. Downloading software needed to write software for the Tiva board. Review of existing files for the Tiva board to determine how they can fit in with our design. Met with the client to verify we are heading in the right direction.	4	7

Gitlab Activity Summary

Action: pushed new branch master, Wed Sep 12 2018
Author: kjzelnio

Action: pushed to branch master, Wed Sep 12 2018
Author: kjzelnio

Action: pushed new branch hardware, Wed Sep 12 2018
Author: sanoel

Action: pushed to branch hardware, Wed Sep 12 2018
Author: sanoel